



US006445974B1

(12) **United States Patent**
Malaugh et al.

(10) **Patent No.:** US 6,445,974 B1
(45) **Date of Patent:** Sep. 3, 2002

(54) **CAD-NEUTRAL APPLICATION
PROGRAMMING INTERFACE**

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

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(21) Appl. No.: **09/473,772**

(22) Filed: **Dec. 29, 1999**

Related U.S. Application Data

(60) Provisional application No. 60/114,216, filed on Dec. 30,
1998.

(51) Int. Cl.⁷ **G06F 19/00**

(52) U.S. Cl. **700/182; 700/97; 700/98;
700/180; 700/181; 703/1; 703/23; 703/26;
703/27; 345/418; 345/419; 345/420; 345/964**

(58) **Field of Search** **700/17-20, 57,
700/97-98, 87, 159, 160, 180, 182, 183,
184; 345/418, 419, 420, 964; 716/1-3,
5-6, 7, 17-18; 703/1, 26-27, 23-25; 707/102;
709/205**

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(57) **ABSTRACT**

Apparatus and method for a computer-aided design (CAD) system for dynamically switching from one CAD platform to another CAD platform. The invention includes building a library of generic CAD functions, each for directing a graphical manipulation process. Each one of the generic CAD functions is based on a platform-specific CAD function, there being a large number of common CAD functions among many different CAD platforms. The invention interprets received function calls and translates the call to a generic function call for invoking a generic CAD function. A processor then executes the generic CAD function, irrespective of the platform used to call the function.

12 Claims, 5 Drawing Sheets

